

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) A mobile communication method for controlling [[a]] transfer switching [[during]] for communication between a plurality of mobile terminals sharing the [[a]] same number used by the same subscriber, the method comprising the steps of:
~~and a communication control station;~~

~~wherein anyone of said plurality of terminals comprises steps of:~~
detecting a mobile terminal among said other terminals sharing the same number used by
the same subscriber;

transmitting a transfer request for switching to the detected mobile terminal sharing the
same number used by the same subscriber;

determining whether or not to switch a transfer to any of the mobile terminals sharing the
same number used by the same subscriber;

authenticating, if it is determined that the transfer is to be switched, the detected mobile
terminal, which received the transmitted transfer request, based on an authentication request
received from the detected mobile terminal;

transmitting a transfer request for an information rewrite request to a communication
control station when the result of authentication is affirmative; and

~~one of said terminals sharing the same number to which the transfer is switched; and~~

~~outputting a transfer switching request according to the authenticated terminal to said communication control station, and~~

~~wherein said communication control station comprises a step of:~~

performing a process of switching the transfer to said authenticated mobile terminal based on said transfer switching request outputted from one mobile terminal from among the plurality of mobile terminals sharing the same number used by the same subscriber ~~said terminal~~.

Claim 2. (Currently Amended) The mobile communication method as claimed in claim 1, wherein if said one mobile terminal from among the plurality of mobile terminals sharing the same number used by the same subscriber is communicating, this mobile terminal ~~automatically~~ authenticates another mobile terminal among the plurality of mobile terminals sharing the same number used by the same subscriber ~~one of the other terminals with which said terminal can communicate by using the same number, and~~

~~[[the]]~~ said authenticating mobile terminal outputs a transfer switching request for switching to said ~~according to said another~~ authenticated another mobile terminal sharing the same number used by the same subscriber to said communication control station.

Claim 3. (Currently Amended) The mobile communication method as claimed in claim 1, wherein if said one mobile terminal among the plurality of mobile terminals sharing the same number used by the same subscriber is communicating, this mobile terminal ~~automatically~~ ~~authenticate~~ authenticates another mobile terminal among the plurality of mobile terminals sharing the same number used by the same subscriber ~~one of the other terminals with which said terminal can communicate by using the same number, and~~

said another mobile authenticated terminal outputs a transfer switching request for switching to itself ~~according to the authenticated terminal~~ to said communication control station.

Claim 4. (Currently Amended) The mobile communication method as claimed in anyone of claims 1 to 3 ~~[[4]]~~, in

~~wherein~~ said communication control station, said method further ~~comprises~~ comprising the steps of:

storing a switching request information concerning the transfer switching request corresponding to each said mobile ~~[[each]]~~ terminal sharing the same number used by the same subscriber;

determining whether said authenticating mobile terminal or said authenticated another ~~authenticated~~ mobile terminal has provided ~~[[an]]~~ output; ~~and~~

performing, if it is determined that said authenticated another mobile terminal has provided ~~[[an]]~~ output, a process of switching communication ~~the transfer~~ based on said stored switching request information ~~stored in said storage means.~~

Claim 5. (Currently Amended) A mobile communication system for controlling ~~[[a]]~~ transfer switching ~~[[during]]~~ for communication between a plurality of mobile terminals sharing the ~~[[a]]~~ same number used by the same subscriber, and a communication control station,

~~[[wherein]]~~ anyone of said plurality of terminals comprising ~~comprises:~~

detection means for detecting a mobile terminal among said other terminals sharing the same number used by the same subscriber;

transfer request means for transmitting a transfer request for switching to the detected mobile terminal sharing the same number used by the same subscriber;

determination means for determining whether or not to switch a transfer to any of the mobile terminals sharing the same number used by the same subscriber;

authentication means for authenticating, if it is determined that the transfer is to be switched, one of said terminals sharing the same number to which the transfer is switched, the detected mobile terminal, which received the transmitted transfer request, based on an authentication request received from the detected mobile terminal ~~one of said terminals sharing the same number to which the transfer is switched;~~ and

rewrite request means for transmitting a transfer request for an information rewrite request to a communication control station when the result of the authentication is affirmative

~~output means for outputting a transfer switching request according to the authenticated terminal to said communication control station, and~~

~~wherein~~ said communication control station comprises:

transfer switching means for performing a process of switching the transfer to said authenticated terminal based on said transfer switching request outputted from one mobile terminal from among the plurality of mobile terminals sharing the same number used by the same subscriber ~~said terminal.~~

Claim 6. (Currently Amended) The mobile communication system as claimed in claim 5, wherein

~~said authentication means comprising:~~

if said one mobile terminal from among the plurality of mobile terminals sharing the same number used by the same subscriber is communicating, this mobile terminal automatically authenticates another mobile terminal among the plurality of mobile terminals sharing the same number used by the same subscriber ~~one of the other terminals with which said terminal can communicate by using the same number~~, and

~~said output means comprising:~~

~~[[the]]~~ said authenticating mobile terminal outputs a transfer switching request for switching to said ~~according to said another authenticated~~ another mobile terminal sharing the same number used by the same subscriber to said communication control station.

Claim 7. (Currently Amended). The mobile communication system as claimed in claim 5, wherein:

~~said authentication means comprising:~~

if said one mobile terminal among the plurality of mobile terminals sharing the same number used by the same subscriber is communicating, this mobile terminal automatically authenticates another mobile terminal among the plurality of mobile terminals sharing the same number used by the same subscriber ~~one of the other terminals with which said terminal can communicate by using the same number~~, and

~~said output means comprising:~~

said another mobile authenticated terminal outputs a transfer switching request for switching to itself ~~according to the authenticated terminal~~ to said communication control station.

Claim 8. (Currently Amended) The mobile communication system as claimed in anyone of claims 5 to 7,

[[wherein]] said communication control station further comprising:

storage means for storing a switching request information concerning the transfer switching request corresponding to each said mobile [[each]] terminal sharing the same number used by the same subscriber;

determination means for determining whether said authenticating mobile terminal or said authenticated another authenticated terminal has provided [[an]] output, a; and

control means for performing, if it is determined that said authenticated another mobile terminal has provided [[an]] output, a ~~transfer-switching~~ process of switching communication based on said switching request information stored in said storage means.

Claim 9. (Currently Amended) A communication control station for controlling [[a]] transfer switching for communication between a plurality of mobile terminals sharing the same number used by the same subscriber,

the station comprising ~~comprises of~~:

storage means for storing [[a]] switching request information concerning a transfer switching request for each said mobile ~~corresponding to said each~~ terminal sharing the same number used by the same subscriber;

determination means for determining whether an authenticating mobile terminal or authenticated another mobile terminal has provided output; and

control means for performing a transfer switching process based on said switching request information stored in said storage means when it is determined that said authenticated another mobile terminal has provided output.

Claim 10. (Currently Amended) The communication control station as claimed in claim 9, wherein said switching request information stored in said storage means includes ~~at least~~ the same number shared among mobile terminals, a device number, ~~[[a]]~~ location information and an availability flag,

the same number is shared so that authenticated another terminal instead of an authenticating terminal shared the same number used by the same subscriber communicates with a terminal used by a different subscriber, and

~~wherein~~ the location information and the availability flag correspond to the device number.

Claim 11. (Currently Amended) A terminal device for controlling ~~[[a]]~~ transfer switching for communication between other mobile terminals sharing ~~[[a]]~~ the same number used by the same subscriber,

the terminal device comprising ~~comprises of:~~

detection means for detecting a mobile terminal among said other mobile terminals sharing the same number used by the same subscriber ~~available for the same number;~~

transfer request means for transmitting ~~performing~~ a transfer request for switching to the detected mobile terminal sharing ~~available for the same number~~ used by the same subscriber;

determination means for determining whether or not to switch a transfer to any of the mobile terminals sharing the same number used by the same subscriber;

authentication means for authenticating, if it is determined that the transfer is to be switched, the detected mobile terminal, which received the transmitted transfer request, based on an authentication request received from the detected mobile terminal; and

rewrite request means for transmitting a transfer request for an information rewrite request to a communication control station when the result of the authentication is affirmative;
~~and authentication request means for performing an authentication request based on said transfer request received from said terminal available for the same number.~~

Claim 12. (Cancelled).

Claim 13. (New) The terminal device as claimed in claim 11,
wherein the authenticating terminal device transmits said transfer request for said information rewrite request to a communication control station.

Claim 14. (New) The terminal device as claimed in claim 11,
wherein the authenticated terminal device transmits said transfer request for said information rewrite request to a communication control station.